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Prasad Tetali*, School of Mathematics, 686 Cherry St., Georgia Institute of Technology, Atlanta, GA 30332-0160. *Counting independent sets in hypergraphs*. Preliminary report.

I will report on recent joint work (with Emma Cohen and Will Perkins) on counting the number of independent sets in 3-uniform, d-regular hypergraphs. Our main theorem implies an improved bound for a problem studied by Ordentlich and Roth (2004) concerning ternary Hamming codes. (Received August 27, 2016)